

New Guide System Test-bed for Authors

Patrick Agbu
EDG Science and Operations

EDG Workshop June 5, 2002



Global Science & Technology, Inc.



Objectives

- Modify the current Guide Spidex Manager for Guide authors to accommodate multiple users.
- Provide adequate software documentation to alleviate maintenance difficulties.



Global Science & Technology, Inc.



Justification

- All management of guide system resources and any issuance of management commands were vested in one user – during development a single user was assumed and implemented accordingly.



Justification (continued)

- The consequence is that only one Guide author can work at one time, if another author logs in from another location, then the system crashes.



Global Science & Technology, Inc.



Justification (continued)

- In the course of setting up the system for revision control, it has become evident that the documentation required for software maintenance is deficient.



Solution

- We are in the process of correcting the problem, and hope to complete in about a month.
- In the interim, we would continue to use the unmodified system with its associated risk.



Tool Location

- **On our host computer**

<https://merlot.gsfc.nasa.gov/guide/manageframe.html>

You need a password set up by the Science and Operations team to gain access.



Global Science & Technology, Inc.



Management Tool for Authors

SPIDEX *manager*

Spidex Manager

ALL
ASF
EDC
EDC-ECS
EDC-L1
GHRC
GSFC
GSFC-ECS
GSFC-TSS
JPL

nuke
 spider
 verify
 digest
 delete
 index

Email logs to:

go Clear



Spidex Log

SPIDEX <i>manager</i>	
	0 errors on download.
4	Spider completed.
5	Verifying datasets
	20 documents did not contain dataset META data.
6	4 documents contained inaccurate datasets. <i>31 MetaX files</i> produced from EDC pass: EOS_GUIDE. All documents contain title tags.
7	Verify completed.
8	Digest started
9	Update digest.



Spider-points Manager

SPIDEX *manager*

Data Center Manager

Spider
Spidex Log
Usage
Manage
Search

Edit GSFC	add edit delete	DAAC	GSFC, pass: 1	
		Guide Index	<input type="text" value="http://daac.gsfc.nasa.gov/DAAC_DOCS/EDG_guides/g"/>	
		Real Index	<input type="text" value="http://daac.gsfc.nasa.gov/DAAC_DOCS/guide_catalo"/>	
		Doc Type	<input type="text" value="Legacy Guide"/> <input type="text" value="Guide Version 1"/> <input type="text" value="Legacy Card"/> <input type="text" value="Card Version 1"/> Guide Version 1	
		<input type="button" value="Previous"/> <input type="button" value="Next"/>	<input type="button" value="Delete"/>	<input type="button" value="Save"/> <input type="button" value="Done"/>



Global Science & Technology, Inc.



Multiple Data Center Indexes

- **Unique Spider-points are required in order for searches and retrievals to work correctly.**

Incorrect Example

- **Data_Center: GSFC, GSFC-ECS, GSFC-TSS**
- **Guide: http://daac.gsfc.nasa.gov/DAAC_DOCS/EDG_guides/guide.html**
- **Real_Index: http://daac.gsfc.nasa.gov/DAAC_DOCS/guide_catalog.html**

Correct Example

- **Guide: <http://daac.gsfc.nasa.gov/guides/GSFC/guide/guide.html>**
- **Guide: <http://daac.gsfc.nasa.gov/guides/GSFC-ECS/guide/guide.html>**
- **Guide: <http://daac.gsfc.nasa.gov/guides/GSFC-TSS/guide/guide.html>**
- **Real_Index: http://daac.gsfc.nasa.gov/DAAC_DOCS/guide_catalog.html**



Current State of Affairs

Data Center	Total Documents	Missing Data Set Meta Tag	Inaccurate Data Sets	Missing/Excess Title tag
ASF	21	0	2	0
EDC	55	19	13	0
EDC-ECS	55	19	13	0
EDC-L1	55	19	13	0
GHRC	86	0	0	2
GSFC	49	0	0	0
GSFC-ECS	28	4	0	0
GSFC-TSS	6	0	0	0
JPL	59	2	16	2
LARC	148	19	134	0
NSIDC	89	3	52	0
NSIDC-ECS	4	0	26	0
ORNL	453	45	2	0



Global Science & Technology, Inc.



Guide content Errors

- **Missing documents**



Global Science & Technology, Inc.



Guide content Errors

- **Missing documents**
- **Incomplete Meta tag fields**



Global Science & Technology, Inc.



Guide content Errors

- **Missing documents**
- **Incomplete Meta tag fields**
- **Missing Data Set Meta tags**



Global Science & Technology, Inc.



Guide content Errors

- **Missing documents**
- **Incomplete Meta tag fields**
- **Missing Data Set Meta tags**
- **Missing Title tags**



Guide content Errors

- **Missing documents**
- **Incomplete Meta tag fields**
- **Missing Data Set Meta tags**
- **Missing Title tags**
- **Excessive Title tags**



Guide content Errors

- **Missing documents**
- **Incomplete Meta tag fields**
- **Missing Data Set Meta tags**
- **Missing Title tags**
- **Excessive Title tags**
- **Bad html and other tag errors**



Summary

- **Modified Guide Test-bed will become available soon, but the unmodified one can still be used with some risk.**
- **Missing guides need to be provided.**
- **Errors in guides need to be corrected.**
- **Multi-provider indexes need to be separated.**
- **Remember to write new guides with the new template.**
- **Guide Author resource is located at**
<http://www-v0ims.gsfc.nasa.gov/v0ims/DOCUMENTATION/GUIDE-VALID/GUIDES/guideauthors.html>



Global Science & Technology, Inc.



It's all
about
Guidance!



QUOTATION:

Surely there is a time to submit to **guidance** and a time to take one's own way at all hazards.

ATTRIBUTION:

Thomas Henry Huxley (1825–95), British biologist and educator.



Global Science & Technology, Inc.

